

04-18-01

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Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. IN01155K  
First Inventor VENKATRAMAN, et al  
Title MACROCYCLIC NS-3 SERINE PROTEASE INHIBITORS OF  
HEPATITIS C VIRUS COMPRISING N-CYCLIC MOIETIES  
Express Mail Label No. EL403238271US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 218]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☐ Drawing(s) (35 U.S.C. 113) [Total Sheets ☐
5. Oath or Declaration [Total Pages 5]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 17 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b)
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of  
(when there is an assignee) Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure ☐ Copies of IDS  
Statement (IDS)/PTO-1449 Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Other: .....

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information:

Examiner \_\_\_\_\_

Group / Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 18. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

24265

or

☐ Correspondence address below

(Insert Customer No. or Attach bar code label here)

Name PALAIYUR S. KALYANARAMAN Reg. No. 34634  
Address  
City State Zip Code  
Country Telephone (908) 298-5068 Fax (908) 298-5388

Name (Print/Type) PALAIYUR S. KALYANARAMAN Registration No. (Attorney/Agent) 34,634  
Signature *[Signature]* Date April 17, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

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Date April 17, 2001

PTO/SB/17 (09-00)

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**FEE TRANSMITTAL  
for FY 2001**

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 908.00

**Complete if Known**

|                      |                    |
|----------------------|--------------------|
| Application Number   | To Be Assigned     |
| Filing Date          | April 17, 2001     |
| First Named Inventor | VENKATRAMAN, et al |
| Examiner Name        | To Be Assigned     |
| Group Art Unit       | To Be Assigned     |
| Attorney Docket No.  | IN01155K           |

**METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 19-0365

Deposit Account Name Schering-Plough Corporation

- ☒
- Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

- 2.
- ☐
- Payment Enclosed:

☐ Check ☐ Credit card ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description        | Fee Paid |
|----------|----------|----------|----------|------------------------|----------|
| 101      | 710      | 201      | 355      | Utility filing fee     | \$710.00 |
| 106      | 320      | 206      | 160      | Design filing fee      |          |
| 107      | 490      | 207      | 245      | Plant filing fee       |          |
| 108      | 710      | 208      | 355      | Reissue filing fee     |          |
| 114      | 150      | 214      | 75       | Provisional filing fee |          |

SUBTOTAL (1) (\$) 710.00

**2. EXTRA CLAIM FEES**

Total Claims 31 -20\*\* = 11 x \$18.00 = \$198.00

Independent Claims 2 -3\*\* = -0- x -0- = -0-

Multiple Dependent ☐ = ☐

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description  |
|----------|----------|----------|----------|--|
| 103      | 18       | 203      | 9        | Claims in excess of 20                                     |
| 102      | 80       | 202      | 40       | Independent claims in excess of 3                          |
| 104      | 270      | 204      | 135      | Multiple dependent claim, if not paid                      |
| 109      | 80       | 209      | 40       | ** Reissue independent claims over original patent         |
| 110      | 18       | 210      | 9        | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$) 198.00

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description  | Fee Paid |
|----------|----------|----------|----------|--|----------|
| 105      | 130      | 205      | 65       | Surcharge - late filing fee or oath  |          |
| 127      | 50       | 227      | 25       | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139      | 130      | 139      | 130      | Non-English specification  |          |
| 147      | 2,520    | 147      | 2,520    | For filing a request for <i>ex parte</i> reexamination                     |          |
| 112      | 920*     | 112      | 920*     | Requesting publication of SIR prior to Examiner action                     |          |
| 113      | 1,840*   | 113      | 1,840*   | Requesting publication of SIR after Examiner action                        |          |
| 115      | 110      | 215      | 55       | Extension for reply within first month                                     |          |
| 116      | 390      | 216      | 195      | Extension for reply within second month                                    |          |
| 117      | 890      | 217      | 445      | Extension for reply within third month                                     |          |
| 118      | 1,390    | 218      | 695      | Extension for reply within fourth month                                    |          |
| 128      | 1,890    | 228      | 945      | Extension for reply within fifth month                                     |          |
| 119      | 310      | 219      | 155      | Notice of Appeal   |          |
| 120      | 310      | 220      | 155      | Filing a brief in support of an appeal                                     |          |
| 121      | 270      | 221      | 135      | Request for oral hearing   |          |
| 138      | 1,510    | 138      | 1,510    | Petition to institute a public use proceeding                              |          |
| 140      | 110      | 240      | 55       | Petition to revive - unavoidable   |          |
| 141      | 1,240    | 241      | 620      | Petition to revive - unintentional   |          |
| 142      | 1,240    | 242      | 620      | Utility issue fee (or reissue)   |          |
| 143      | 440      | 243      | 220      | Design issue fee   |          |
| 144      | 600      | 244      | 300      | Plant issue fee  |          |
| 122      | 130      | 122      | 130      | Petitions to the Commissioner  |          |
| 123      | 50       | 123      | 50       | Petitions related to provisional applications                              |          |
| 126      | 240      | 126      | 240      | Submission of Information Disclosure Stmt                                  |          |
| 581      | 40       | 581      | 40       | Recording each patent assignment per property (times number of properties) |          |
| 146      | 710      | 246      | 355      | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149      | 710      | 249      | 355      | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| 179      | 710      | 279      | 355      | Request for Continued Examination (RCE)                                    |          |
| 169      | 900      | 169      | 900      | Request for expedited examination of a design application                  |          |

Other fee (specify) \_\_\_\_\_

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

**SUBMITTED BY**

Name (Print/Type) PALAIYUR S.KALYANARAMAN

Registration No. 34,634  
(Attorney/Agent)

Complete (if applicable)

Telephone (908) 298-5068

Signature

Date

April 17, 2001

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date:

Typed or printed name

Signature

Date